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IET JNL IET Journal or Magazine

1. Broadband MIMO-OFDM wireless communicationsStuber, G.L.; Barry, J.R.; McLaughlin, S.W.; Ye Li; Ingram, M.A.; Pratt, T.G.; [Proceedings of the IEEE](#)Volume 92, [Issue 2](#), Feb 2004 Page(s):271 - 294
Digital Object Identifier 10.1109/JPROC.2003.821912[AbstractPlus](#) | Full Text: [PDF\(1200 KB\)](#) | Full Text: [HTML](#) [IEEE JNL](#)
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IEEE CNF IEEE Conference Proceeding

IET CNF IET Conference Proceeding

IEEE STD IEEE Standard

2. Adaptive multicarrier modulation: a convenient framework for time-frequency in wireless communicationsKeller, T.; Hanzo, L.; [Proceedings of the IEEE](#)Volume 88, [Issue 5](#), May 2000 Page(s):611 - 640
Digital Object Identifier 10.1109/5.849157[AbstractPlus](#) | References | Full Text: [PDF\(500 KB\)](#) [IEEE JNL](#)
[Rights and Permissions](#)**3. Doppler and frequency-offset synchronization in wideband OFDM**Salberg, A.-B.; Swami, A.; [Wireless Communications, IEEE Transactions on](#)
Volume 4, [Issue 6](#), Nov. 2005 Page(s):2870 - 2881
Digital Object Identifier 10.1109/TWC.2005.858337[AbstractPlus](#) | Full Text: [PDF\(392 KB\)](#) [IEEE JNL](#)
[Rights and Permissions](#)**4. Experimental and analytical studies on a high-resolution OFDM carrier frequency estimator**Tureli, U.; Kivanc, D.; Hui Liu; [Vehicular Technology, IEEE Transactions on](#)
Volume 50, [Issue 2](#), March 2001 Page(s):629 - 643
Digital Object Identifier 10.1109/25.923074[AbstractPlus](#) | References | Full Text: [PDF\(524 KB\)](#) [IEEE JNL](#)
[Rights and Permissions](#)**5. Robust channel estimation and ISI cancellation for OFDM systems with sparse features**Xianbin Wang; Ho, P.; Wu, Y.; [Selected Areas in Communications, IEEE Journal on](#)

Volume 23, Issue 5, May 2005 Page(s):963 - 972
Digital Object Identifier 10.1109/JSAC.2005.845408

[AbstractPlus](#) | [References](#) | [Full Text: PDF\(616 KB\)](#) IEEE JNL
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- 6. **IEEE Standard for Local and metropolitan area networks Part 16: Air Interface and Mobile Broadband Wireless Access Systems Amendment 2: Physical Layer for Combined Fixed and Mobile Operation in Licensed Bands Corrigendum 1**
2006 Page(s):0_1 - 822
[AbstractPlus](#) | [Full Text: PDF\(5468 KB\)](#) IEEE STD
- 7. **IEEE Standard for Local and metropolitan area networks --- Part 16: Air Interface for Broadband Wireless Access Systems--- Amendment 2: Medium Access Control Modifications and Additional Physical Layer Specifications for 2-11 GHz**
2003 Page(s):0_1 - 292
[AbstractPlus](#) | [Full Text: PDF\(4479 KB\)](#) IEEE STD
- 8. **Design of a multiband OFDM system for realistic UWB channel environment**
Batra, A.; Balakrishnan, J.; Aiello, G.R.; Foerster, J.R.; Dabak, A.;
[Microwave Theory and Techniques, IEEE Transactions on](#)
Volume 52, Issue 9, Part 1, Sept. 2004 Page(s):2123 - 2138
Digital Object Identifier 10.1109/TMTT.2004.834184
[AbstractPlus](#) | [References](#) | [Full Text: PDF\(840 KB\)](#) IEEE JNL
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- 9. **Multiband-OFDM MIMO coding framework for UWB communication system**
Siriwongpairat, W.P.; Weifeng Su; Olfat, M.; Liu, K.J.R.;
[Signal Processing, IEEE Transactions on \[see also Acoustics, Speech, and Signal Processing, IEEE Transactions on\]](#)
Volume 54, Issue 1, Jan. 2006 Page(s):214 - 224
Digital Object Identifier 10.1109/TSP.2005.861092
[AbstractPlus](#) | [Full Text: PDF\(592 KB\)](#) IEEE JNL
[Rights and Permissions](#)
- 10. **Optimal space-frequency Group codes for MIMO-OFDM system**
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[Communications, IEEE Transactions on](#)
Volume 54, Issue 3, March 2006 Page(s):553 - 562
Digital Object Identifier 10.1109/TCOMM.2006.869781
[AbstractPlus](#) | [Full Text: PDF\(960 KB\)](#) IEEE JNL
[Rights and Permissions](#)
- 11. **Joint estimation of symbol timing and carrier frequency offset of OFDM signals in time-varying multipath channels**
Lv, T.; Hua Li; Jie Chen;
[Signal Processing, IEEE Transactions on \[see also Acoustics, Speech, and Signal Processing, IEEE Transactions on\]](#)
Volume 53, Issue 12, Dec. 2005 Page(s):4526 - 4535
Digital Object Identifier 10.1109/TSP.2005.859233
[AbstractPlus](#) | [Full Text: PDF\(480 KB\)](#) IEEE JNL
[Rights and Permissions](#)
- 12. **Channel estimation performance for frequency hopped OFDM using embedded synchronization**
Kleider, J.E.; Maalouli, G.; Gifford, S.; Chuprun, S.;
[Military Communications Conference, 2004. MILCOM 2004. IEEE](#)
Volume 3, 31 Oct.-3 Nov. 2004 Page(s):1611 - 1617 Vol. 3
Digital Object Identifier 10.1109/MILCOM.2004.1495179

[AbstractPlus](#) | Full Text: [PDF\(497 KB\)](#) IEEE CNF
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13. **A robust timing and frequency synchronization for OFDM systems**
Hlaing Minn; Bhargava, V.K.; Letaief, K.B.;
[Wireless Communications, IEEE Transactions on](#)
Volume 2, [Issue 4](#), Jul 2003 Page(s):822 - 839
Digital Object Identifier 10.1109/TWC.2003.814346
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(895 KB\)](#) IEEE JNL
[Rights and Permissions](#)

14. **Decimal frequency offset estimation in COFDM wireless communications**
Bo Ai; Jian-hua Ge; Yong Wang; Shi-Yong Yang; Pei Liu;
[Broadcasting, IEEE Transactions on](#)
Volume 50, [Issue 2](#), June 2004 Page(s):154 - 158
Digital Object Identifier 10.1109/TBC.2004.828367
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(192 KB\)](#) IEEE JNL
[Rights and Permissions](#)

15. **Analysis of frequency-offset tracking in MIMO OFDM systems**
Sandell, M.; McNamara, D.; Parker, S.;
[Communications, IEEE Transactions on](#)
Volume 54, [Issue 8](#), Aug. 2006 Page(s):1481 - 1489
Digital Object Identifier 10.1109/TCOMM.2006.878841
[AbstractPlus](#) | Full Text: [PDF\(632 KB\)](#) IEEE JNL
[Rights and Permissions](#)

16. **Robust OFDM receivers for dispersive time-varying channels: equalization acquisition**
Gorokhov, A.; Linnartz, J.-P.;
[Communications, IEEE Transactions on](#)
Volume 52, [Issue 4](#), April 2004 Page(s):572 - 583
Digital Object Identifier 10.1109/TCOMM.2004.826354
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(456 KB\)](#) IEEE JNL
[Rights and Permissions](#)

17. **2005 Index IEEE Transactions on Consumer Electronics**
[Consumer Electronics, IEEE Transactions on](#)
Volume 51, [Issue 4](#), Nov. 2005 Page(s):1388 - 1416
Digital Object Identifier 10.1109/TCE.2005.1561872
Full Text: [PDF\(239 KB\)](#) IEEE JNL
[Rights and Permissions](#)

18. **A road to future broadband wireless access: MIMO-OFDM-Based air interface**
Hongwei Yang;
[Communications Magazine, IEEE](#)
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Digital Object Identifier 10.1109/MCOM.2005.1381875(410) 4
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(524 KB\)](#) IEEE JNL
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19. **Subject Index**
[Signal Processing Letters, IEEE](#)
Volume 10, [Issue 12](#), Dec. 2003 Page(s):378 - 406
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20. Subject Index

[Signal Processing, IEEE Transactions on](#) [see also [Acoustics, Speech, and Signal Processing, IEEE Transactions on](#)]
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Digital Object Identifier 10.1109/TSP.2003.1246537
[AbstractPlus](#) | [Full Text: PDF\(383 KB\)](#) | [IEEE JNL](#)
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21. Pilot-assisted maximum-likelihood frequency-offset estimation for OFDM

Yu, J.H.; Su, Y.T.;
[Communications, IEEE Transactions on](#)
Volume 52, [Issue 11](#), Nov. 2004 Page(s):1997 - 2008
Digital Object Identifier 10.1109/TCOMM.2004.836555
[AbstractPlus](#) | [References](#) | [Full Text: PDF\(584 KB\)](#) | [IEEE JNL](#)
[Rights and Permissions](#)

22. 70-GHz-Band OFDM Transceivers Based on Self-Heterodyne Scheme for Wireless Personal Area Network

Shoji, Y.; Choi, C.-S.; Ogawa, H.;
[Microwave Theory and Techniques, IEEE Transactions on](#)
Volume 54, [Issue 10](#), Oct. 2006 Page(s):3664 - 3674
Digital Object Identifier 10.1109/TMTT.2006.882414
[AbstractPlus](#) | [Full Text: PDF\(2912 KB\)](#) | [IEEE JNL](#)
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23. OFDM synchronization using PN sequence and performance

Chunlin Yan; Jiayi Fang; Youxi Tang; Shaoqian Li; Yingtao Li;
[Personal, Indoor and Mobile Radio Communications, 2003. PIMRC 2003. 14th Proceedings on](#)
Volume 1, 7-10 Sept. 2003 Page(s):936 - 939 Vol.1
Digital Object Identifier 10.1109/PIMRC.2003.1264411
[AbstractPlus](#) | [Full Text: PDF\(401 KB\)](#) | [IEEE CNF](#)
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24. OFDM for data communication over mobile radio FM channels. I. Analysis and experimental results

Casas, E.F.; Leung, C.;
[Communications, IEEE Transactions on](#)
Volume 39, [Issue 5](#), May 1991 Page(s):783 - 793
Digital Object Identifier 10.1109/26.87141
[AbstractPlus](#) | [Full Text: PDF\(964 KB\)](#) | [IEEE JNL](#)
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25. DFT-modulated filterbank transceivers for multipath fading channels

Phoong, S.-M.; Yubing Chang; Chun-Yang Chen;
[Signal Processing, IEEE Transactions on](#) [see also [Acoustics, Speech, and Signal Processing, IEEE Transactions on](#)]
Volume 53, [Issue 1](#), Jan. 2005 Page(s):182 - 192
Digital Object Identifier 10.1109/TSP.2004.837399
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5. Recent system applications of short-pulse ultra-wideband (UWB) technol

Fontana, R.J.;
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[Volume 52, Issue 9, Part 1, Sept. 2004 Page\(s\):2087 - 2104](#)
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6. Index[Electronics Letters](#)Volume 34, [Issue 25](#), Part Supplement, 10 December 1998 Page(s):2445 - 2[AbstractPlus](#) | Full Text: [PDF\(6048 KB\)](#) [IET JNL](#)**7. On the use of wireless networks at low level of factory automation system**

De Pellegrini, F.; Miorandi, D.; Vitturi, S.; Zanella, A.;

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[AbstractPlus](#) | Full Text: [PDF\(736 KB\)](#) [IEEE JNL](#)[Rights and Permissions](#)**8. IEEE standard for information technology- telecommunications and info-****exchange between systems- local and metropolitan area networks- speci-**
Part II: wireless LAN medium access control (MAC) and physical layer (P)
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Digital Object Identifier 10.1109/IEEESTD.2003.94282

[AbstractPlus](#) | Full Text: [PDF\(1754 KB\)](#) [IEEE STD](#)**9. Wireless Technologies 2005 Abstract Pages - 8th European Conference on****Technology**[Wireless Technology, 2005. The European Conference on](#)

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Digital Object Identifier 10.1109/ECWT.2005.1617781

[AbstractPlus](#) | Full Text: [PDF\(368 KB\)](#) [IEEE CNF](#)[Rights and Permissions](#)**10. Ultrawideband as an Industrial Wireless Solution**

Hancke, G.P.; Allen, B.;

[Pervasive Computing, IEEE](#)Volume 5, [Issue 4](#), Oct.-Dec. 2006 Page(s):78 - 85

Digital Object Identifier 10.1109/MPRV.2006.89

[AbstractPlus](#) | Full Text: [PDF\(723 KB\)](#) [IEEE JNL](#)[Rights and Permissions](#)**11. CCECE 2003 - Canadian Conference on Electrical and Computer Enginee****Caring and Humane Technology (Cat. No:03CH37436)**[Electrical and Computer Engineering, 2003. IEEE CCECE 2003. Canadian Co](#)

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Richardson, P.C.; Weidong Xiang; Stark, W.;

[Selected Areas in Communications, IEEE Journal on](#)Volume 24, Issue 4, Part 1, April 2006 Page(s):906 - 912
Digital Object Identifier 10.1109/JSAC.2005.863882**Summary:** This paper aims to lay a solid foundation for the application of ultra-radio in vehicle environments by exploring the characteristics of UWB channel. A comprehensive measurement campaign was conducted to gather a set[AbstractPlus](#) | Full Text: [PDF\(696 KB\)](#) [IEEE JNL](#)
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Digital Object Identifier 10.1109/TVT.2000.901912

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[Rights and Permissions](#) 3. **A wireless data link for mobile applications**

Lindenmeier, S.; Boehm, K.; Luy, J.F.;

[Microwave and Wireless Components Letters, IEEE \[see also IEEE Microwave Wave Letters\]](#)

Volume 13, Issue 8, Aug. 2003 Page(s):326 - 328

Digital Object Identifier 10.1109/LMWC.2003.815706

Summary: A short overview is given on wireless high speed data links for local networks in mobile applications and a multifunctional CDMA-Direct-Sequence communicating platform is investigated which may be used for inter vehicle co.....[AbstractPlus](#) | [References](#) | Full Text: [PDF\(386 KB\)](#) [IEEE JNL](#)
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Lienard, M.; Degauque, P.; Laly, P.;

[Vehicular Technology, IEEE Transactions on](#)

Volume 53, Issue 3, May 2004 Page(s):705 - 715

Digital Object Identifier 10.1109/TVT.2004.825762

Summary: This paper presents a feasibility study of a technique for measuring between two trains following one another through a tunnel at a distance of several preliminary series of measurements was performed in the Channel Tunnel,.....

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7. **Data association and tracking for automotive radar networks**
Folster, F.; Rohling, H.;
[Intelligent Transportation Systems, IEEE Transactions on](#)
Volume 6, [Issue 4](#), Dec. 2005 Page(s):370 - 377
Digital Object Identifier 10.1109/TITS.2005.858784
Summary: Radar sensors in the 24- and 77-GHz frequency domain will be used for comfort and safety in many future automotive applications. In this paper, a radar using four short-range radars is considered. Each sensor measures individually only.
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8. **Propagation models for short-range wireless channels with predictable power profiles**
Domazetovic, A.; Greenstein, L.J.; Mandayam, N.B.; Seskar, I.;
[Communications, IEEE Transactions on](#)
Volume 53, [Issue 7](#), July 2005 Page(s):1123 - 1126
Digital Object Identifier 10.1109/TCOMM.2005.851606
Summary: We consider wireless data services characterized by short distances, low power, and low antenna heights, deployed in places where a high density of users is expected, e.g., toll booths, parking lots, intersections, etc. With.....
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9. **Recent system applications of short-pulse ultra-wideband (UWB) technology**
Fontana, R.J.;
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Volume 52, [Issue 9](#), Part 1, Sept. 2004 Page(s):2087 - 2104
Digital Object Identifier 10.1109/TMTT.2004.834186
Summary: Developed in the early 1960s, time-domain electromagnetics, the study of electromagnetic-wave propagation from a time-domain perspective, has given birth to a fascinating new technology, which today is commonly referred to as ultra-wideband. [AbstractPlus](#) | [References](#) | Full Text: [PDF\(1304 KB\)](#) IEEE JNL
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10. **The COFDM modulation system: the heart of digital audio broadcasting**
Shelwell, P.;
[Electronics & Communication Engineering Journal](#)
Volume 7, [Issue 3](#), June 1995 Page(s):127 - 136
Summary: Digital audio broadcasting offers the potential to give every radio in the world the sound quality of a compact disc. To accomplish this, it requires a rugged method of transmission. The coded orthogonal frequency division multiplexing (COFDM) is used to achieve this.

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11. **Index**

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12. **On the use of wireless networks at low level of factory automation system**

De Pellegrini, F.; Miorandi, D.; Vitturi, S.; Zanella, A.;

[Industrial Informatics, IEEE Transactions on](#)

Volume 2, [Issue 2](#), May 2006 Page(s):129 - 143
Digital Object Identifier 10.1109/TII.2006.872960

Summary: Wireless communication systems are rapidly becoming a viable so
employment at the lowest level of factory automation systems, usually referred
"device" or "field" level, where the requested performance may be rather critica

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13. **On the architecture, operation, and applications of VMR-WB: the new cdr wideband speech coding standard**

Ahmadi, S.; Jelinek, M.;

[Communications Magazine, IEEE](#)

Volume 44, [Issue 5](#), May 2006 Page(s):74 - 81
Digital Object Identifier 10.1109/MCOM.2006.1637950

Summary: This article is an overview of the architecture and operation of the ' source- and network-controlled variable-rate multimode codec designed for ro wideband speech. To enable a smooth transition from legacy narrowband voic

[AbstractPlus](#) | Full Text: [PDF\(121 KB\)](#) IEEE JNL

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14. **Digital television terrestrial broadcasting**

Yiyan Wu; Caron, B.;

[Communications Magazine, IEEE](#)

Volume 32, [Issue 5](#), May 1994 Page(s):46 - 52
Digital Object Identifier 10.1109/35.281578

Summary: Digital transmission will change the way television channels are all
force broadcasters to master a new set of parameters for optimizing service cc
article discusses modulation and channel coding issues related to digital t.....

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15. **Performance analysis of coded multicarrier spread-spectrum systems in multipath fading and nonlinearities**

Je-Hong Jong; Stark, W.E.;

[Communications, IEEE Transactions on](#)

Volume 49, [Issue 1](#), Jan. 2001 Page(s):168 - 179
Digital Object Identifier 10.1109/26.898260

Summary: In this paper, we analyze the effects of a nonlinear amplifier on the convolutionally coded multicarrier spread-spectrum systems in the presence o
Two performance measures, bit-error rate (BER) and adjacent channel p.....

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16. **IEEE standard for information technology- telecommunications and information exchange between systems- local and metropolitan area networks- specification Part II: wireless LAN medium access control (MAC) and physical layer (PHY) specifications**

2003 Page(s):i - 67

Digital Object Identifier 10.1109/IEEESTD.2003.94282

Summary: Changes and additions to IEEE Std 802.11, 1999 Edition, as amended in 802.11a-1999, 802.11b-1999, 802.11b-1999/Cor 1-2001, and 802.11d-2001, to support the further higher data rate extension for operation in the 2.4 GHz band.

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17. Wireless Technologies 2005 Abstract Pages - 8th European Conference on Technology

Wireless Technology, 2005. The European Conference on
3-4 Oct. 2005 Page(s):627 - 660

Digital Object Identifier 10.1109/ECWT.2005.1617781

Summary: Not available.....

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18. Ultrawideband as an Industrial Wireless Solution

Hancke, G.P.; Allen, B.;
Pervasive Computing, IEEE

Volume 5, Issue 4, Oct.-Dec. 2006 Page(s):78 - 85

Digital Object Identifier 10.1109/MPRV.2006.89

Summary: Ultrawideband wireless technology transmits data at very high rate over the frequency spectrum, at low power, making it suitable for the industrial environment. The benefits and challenges of using wireless communication in the industry.....

[AbstractPlus](#) | Full Text: [PDF\(723 KB\)](#) IEEE JNL
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19. Precoded modulo-precancelling for simultaneous analog FM and digital data

Papadopoulos, H.C.; Sundberg, C.-E.W.;
Communications, 2005. ICC 2005. 2005 IEEE International Conference on

Volume 4, 16-20 May 2005 Page(s):2527 - 2532 Vol. 4

Digital Object Identifier 10.1109/ICC.2005.1494801

Summary: We present techniques for simulcasting low-power digital data and fading channels. Our methods have strong connections to "writing on dirty paper" that a low-power digital data signal is modulo-added to the host analog FM.....

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Caring and Humane Technology (Cat. No.03CH37436)

Electrical and Computer Engineering, 2003. IEEE CCECE 2003. Canadian Co
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Summary: Not available.....

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21. CCECE 2003 - Canadian Conference On Electrical And Computer Engineering

Electrical and Computer Engineering, 2003. IEEE CCECE 2003. Canadian Co
Volume 3, 4-7 May 2003 Page(s):0_1 - 0_21

Summary: Not available.....

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22. CCECE 2003 - Canadian Conference On Electrical And Computer Engineering

Electrical and Computer Engineering, 2003. IEEE CCECE 2003. Canadian Co
Volume 2, 4-7 May 2003 Page(s):0_1 - 0_21

Summary: Not available.....

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23. Enabling mobile commerce through pervasive communications with ubic



Bridgeall, R.;

Wireless Communications and Networking, 2003. WCNC 2003. 2003 IEEE

Volume 3, 16-20 March 2003 Page(s):2041 - 2046 vol.3

Digital Object Identifier 10.1109/WCNC.2003.1200700

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